

OBLIQUE CORRELATION

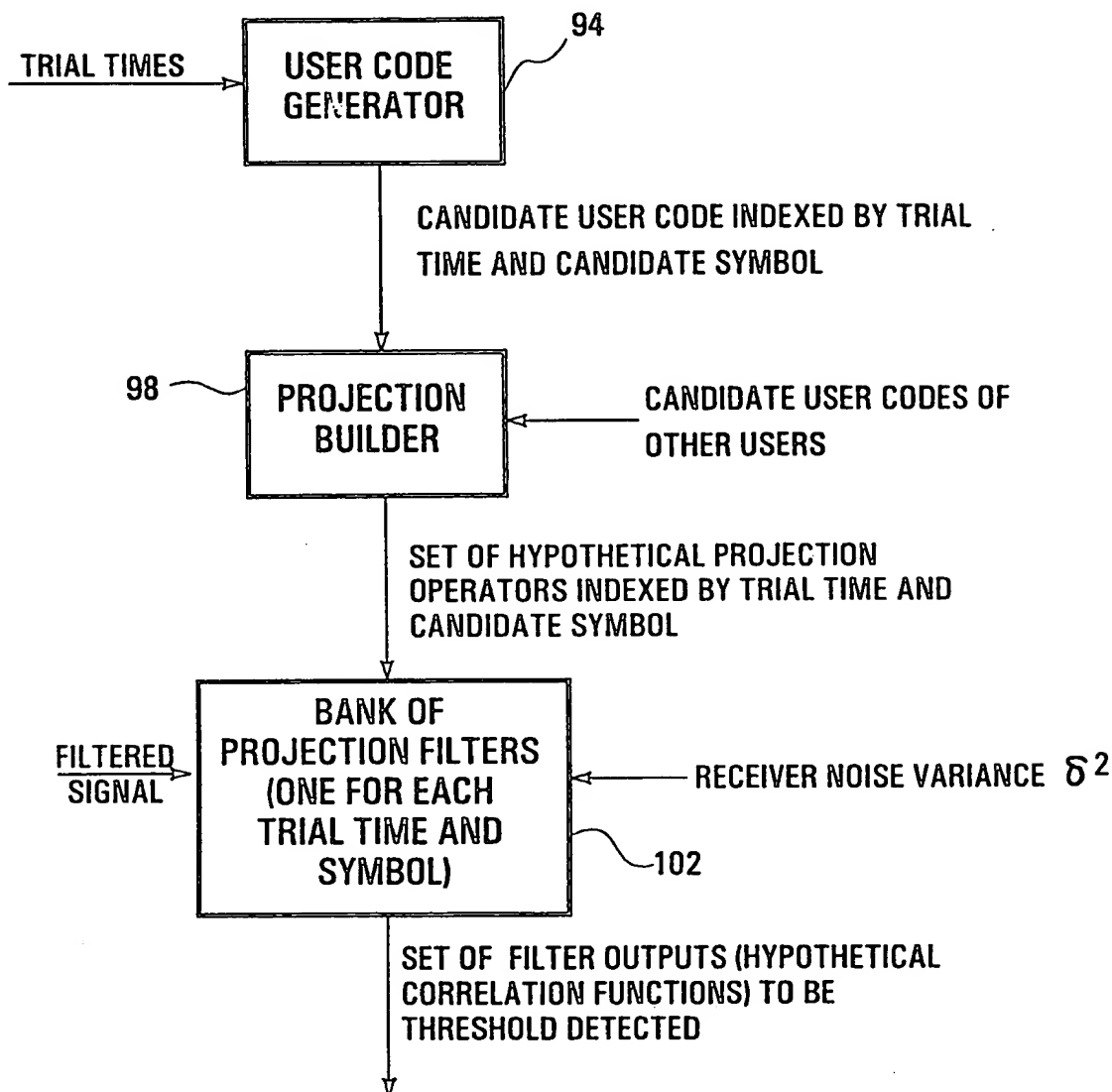


FIG. 2

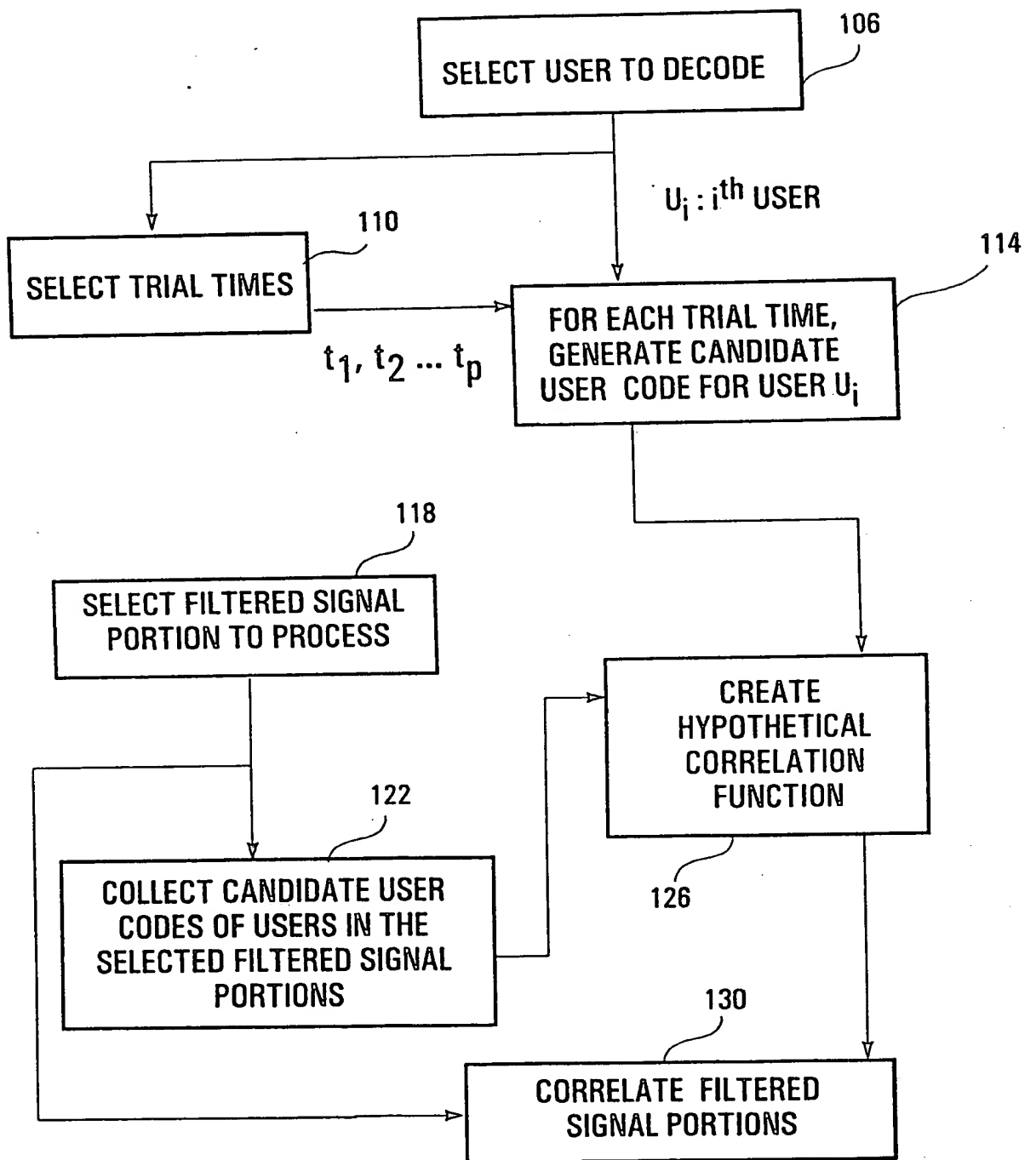


FIG. 3

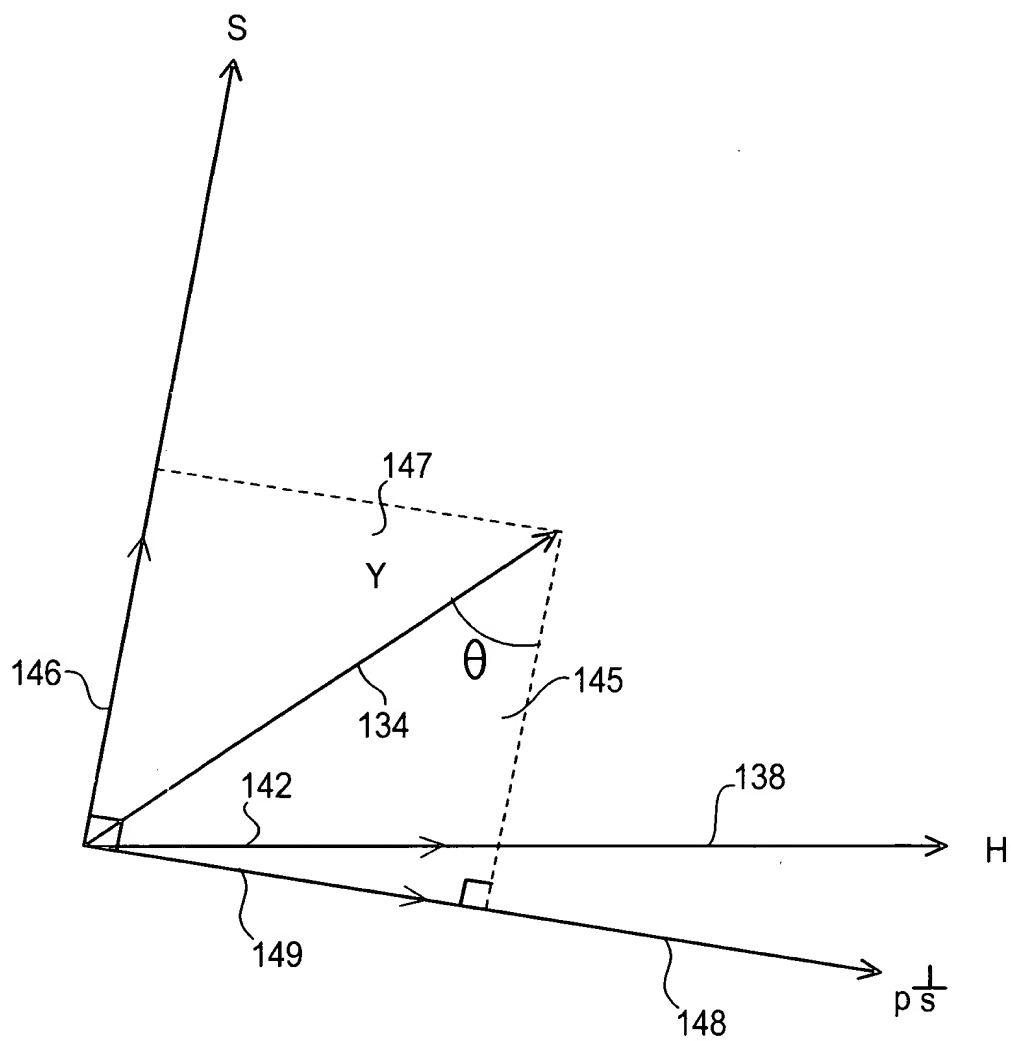


FIG. 4

FIG. 5

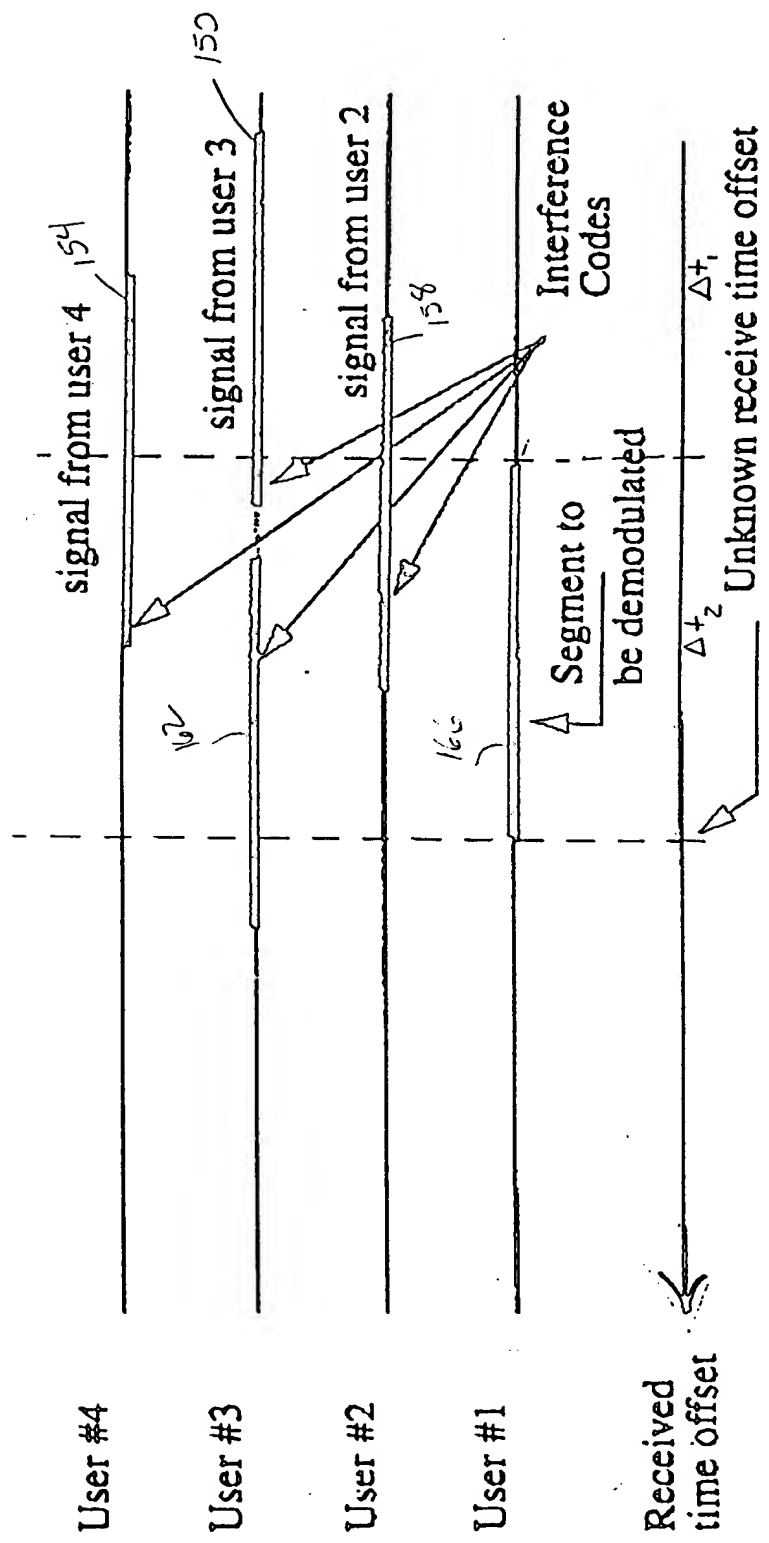
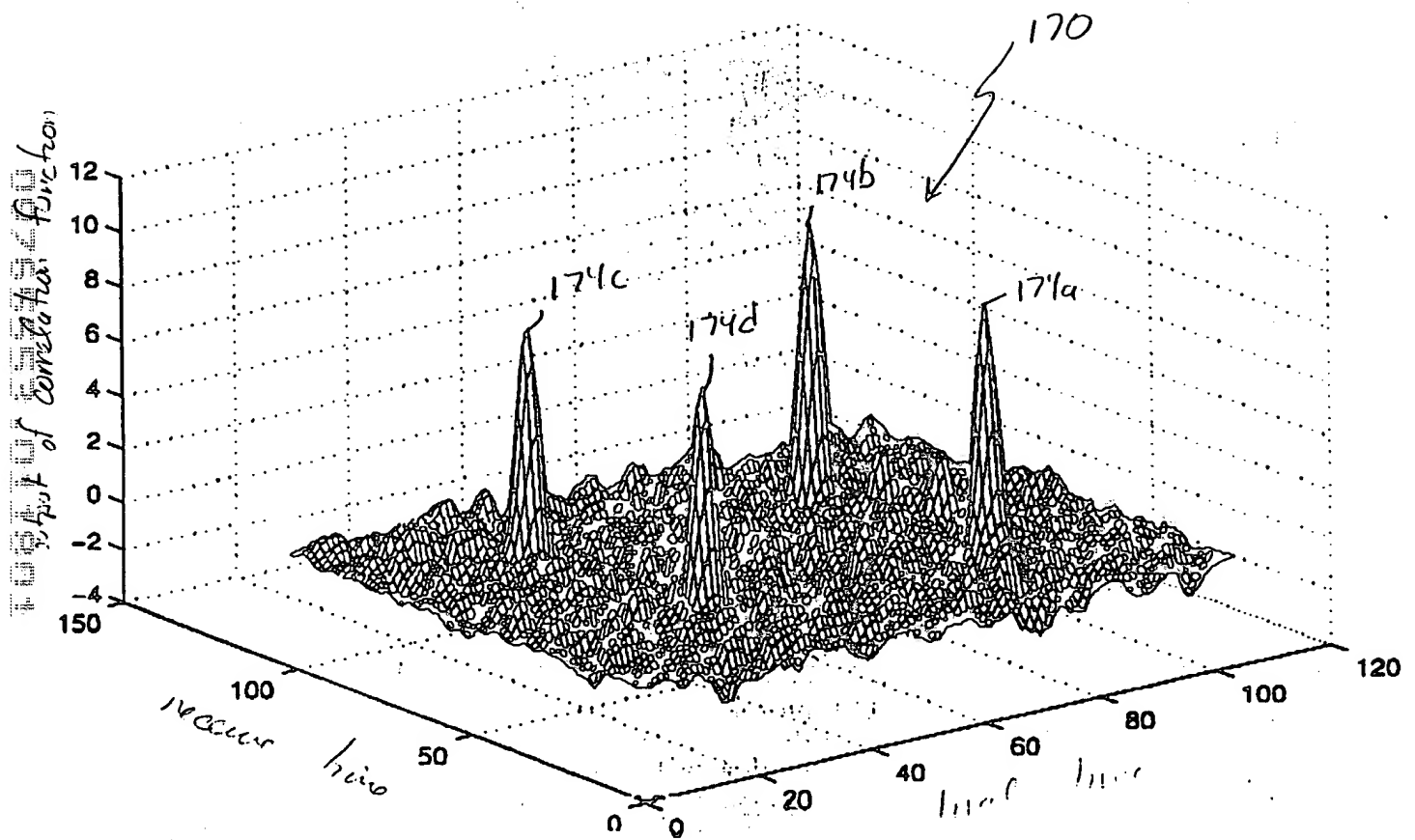


Figure 5



... FIG. 6

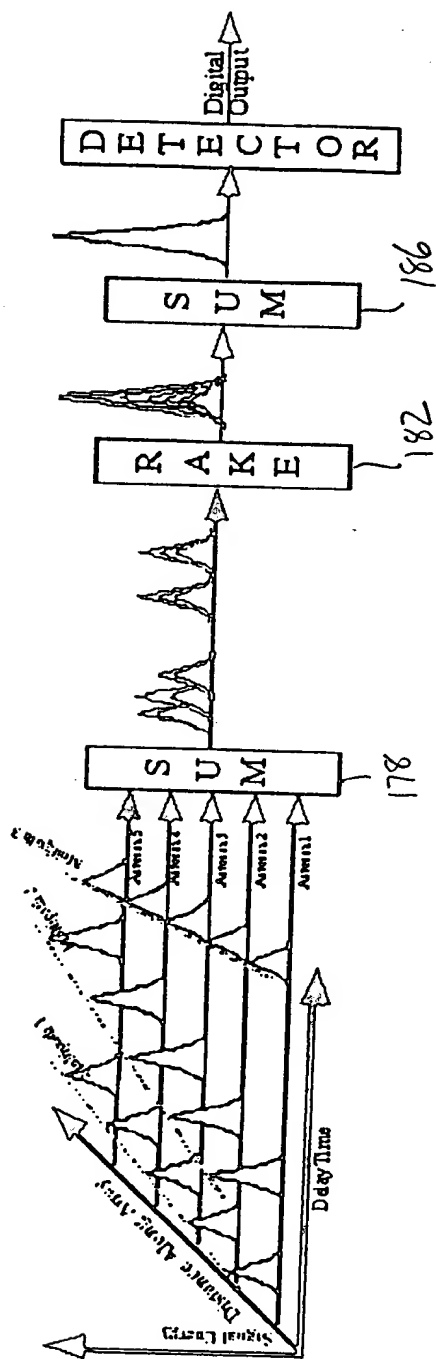


FIGURE 7. Phased RAKE Processing

OBLIQUE CORRELATION

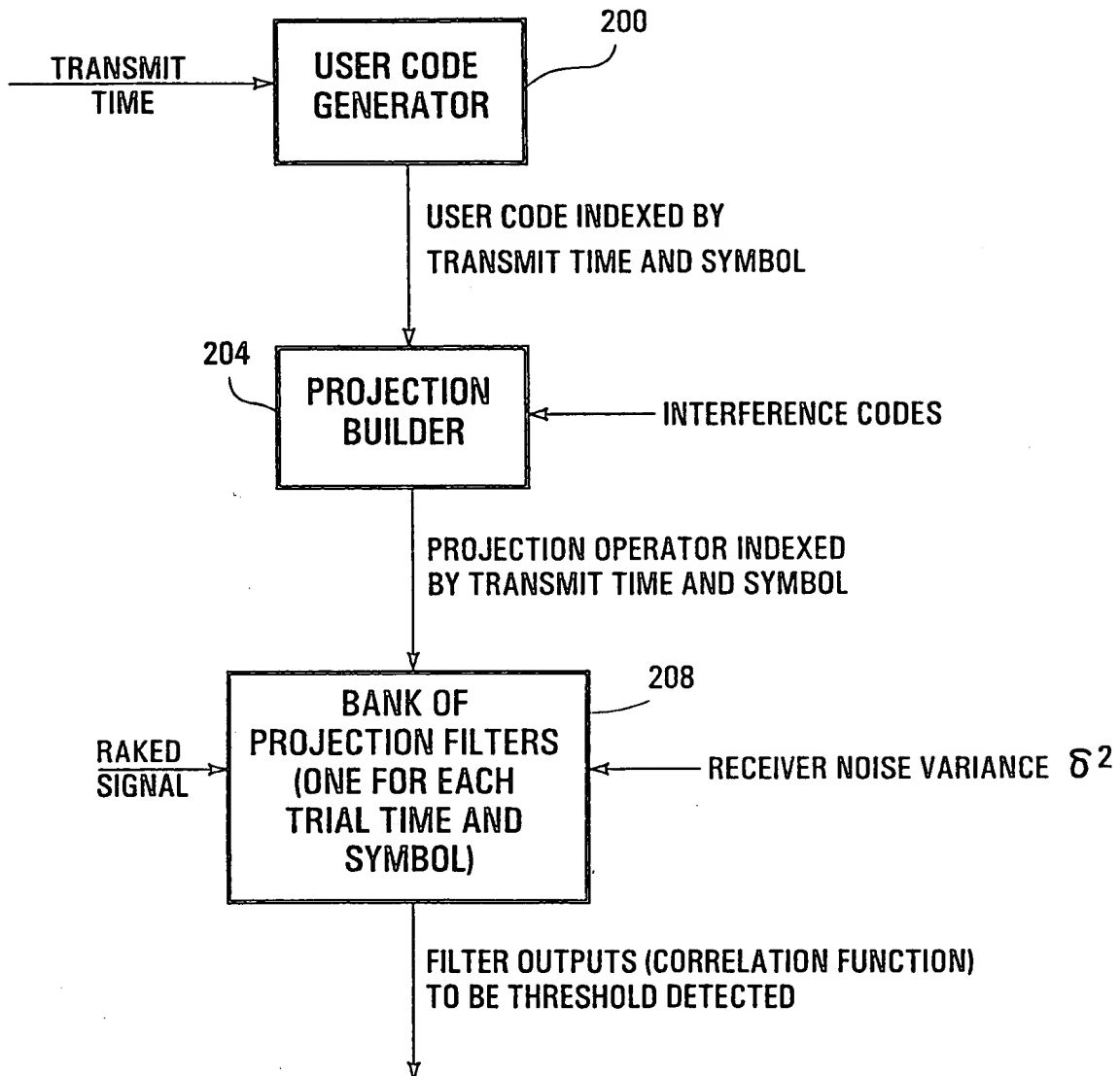


FIG. 8

Output of Correlation

Function

Correlated Output

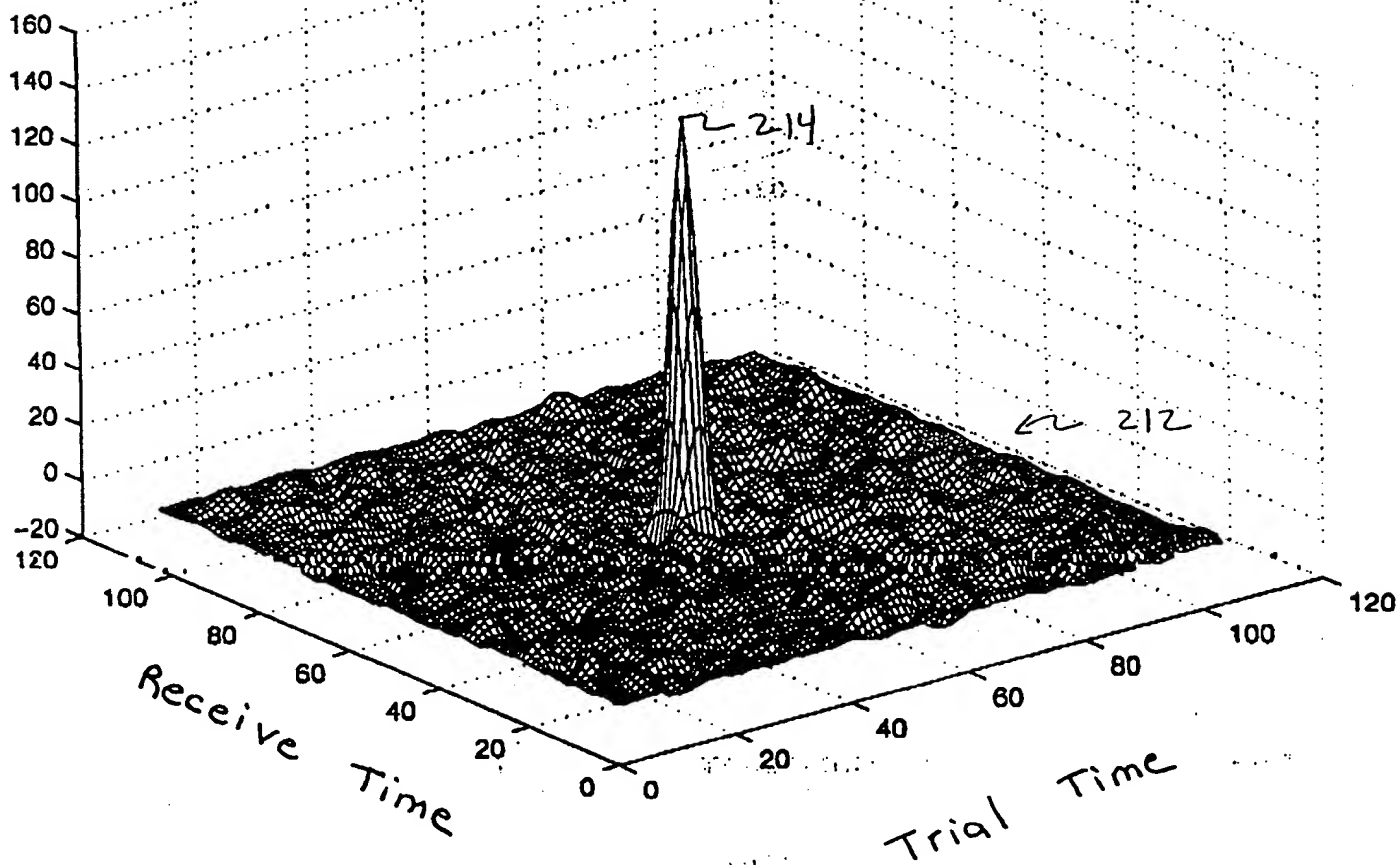


Fig. 9

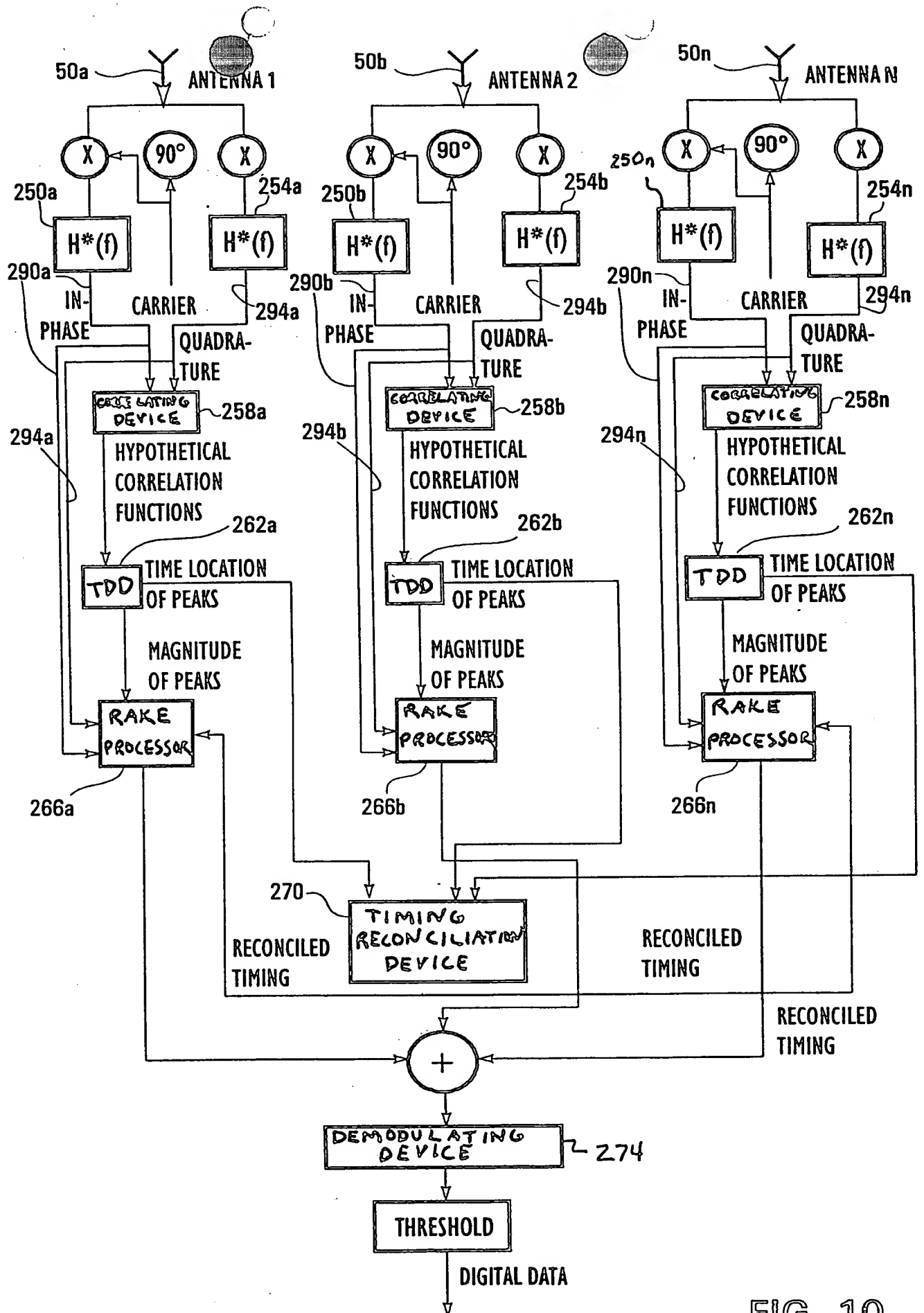


FIG. 10

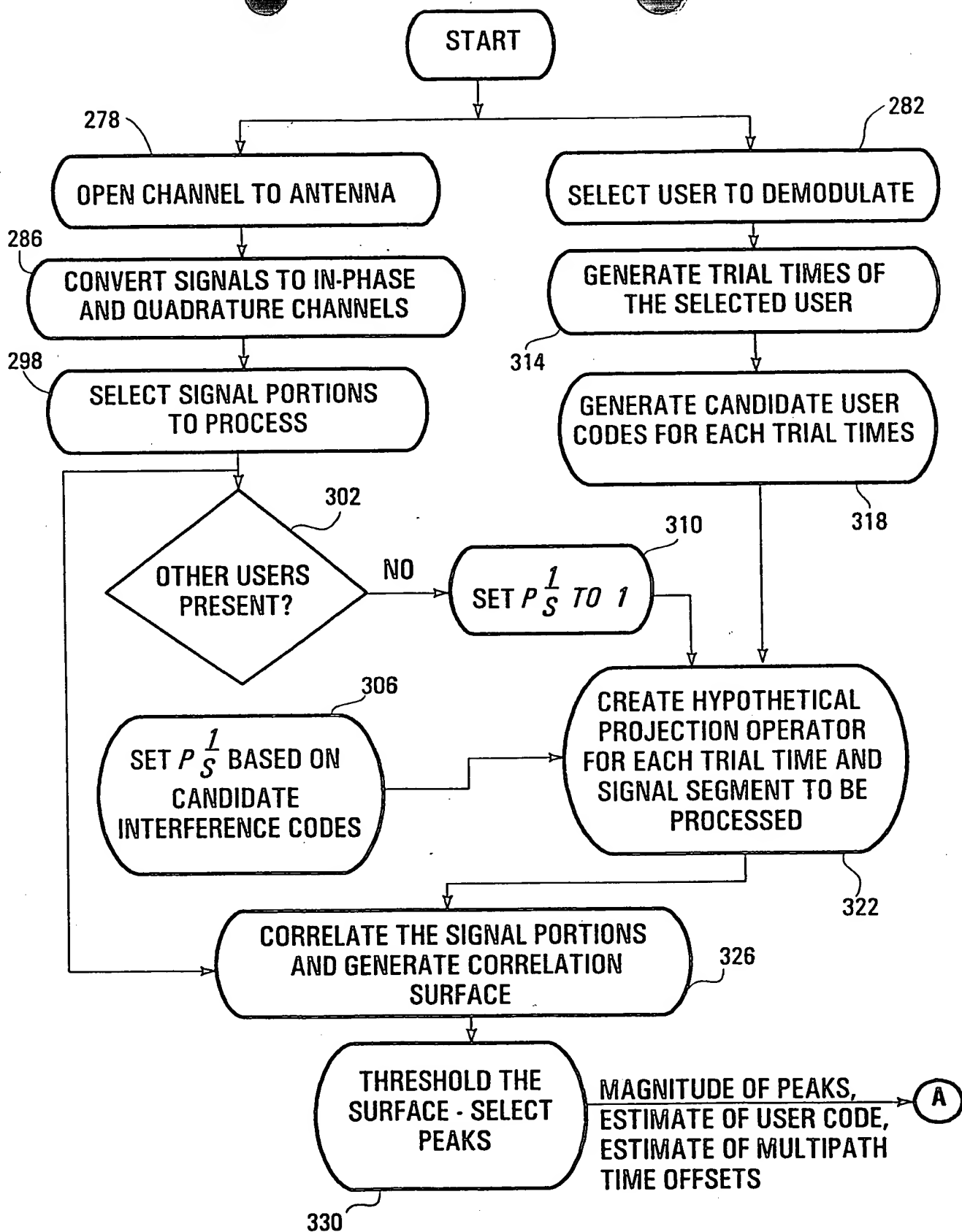


FIG. 11

MAGNITUDE OF PEAKS
ESTIMATE OF TIME OFFSETS

MULTIPATH TIME OFFSETS FROM ALL THE
OUTPUTS DERIVED FROM ALL ANTENNAS

A

TIMING RECONCILIATION - TAKE MINIMUM
OF ALL MULTIPATH TIME OFFSETS

334

SIGNAL PORTIONS

RAKE PROCESSING

338

CORRECT USER
CODES

CREATE PROJECTION
OPERATOR FOR EACH
SIGNAL SEGMENT
USING CORRECT USER
CODE AND
INTERFERENCE CODES

346

COMBINE OUTPUTS FROM
THE OTHER ANTENNAS

342

CORRELATE THE SIGNAL PORTIONS
AND GENERATE CORRELATION
SURFACE

350

CORRECT
INTERFERENCE
CODES FROM
ABOVE

REPEAT PROCESS

THRESHOLD DETECT

354

DIGITAL DATA

FIG. 12